

UNITED STATES PATENT OFFICE

2,659,485

SYRINGE SUPPORTING AND IDENTIFYING TRAY

Roscoe A. Duley, La Mesa, and Merrel E. Hosler,
San Diego, Calif.

Application March 14, 1952, Serial No. 276,514

1 Claim. (Cl. 206—72)

1

This invention relates to a tray particularly adapted for supporting and identifying a plurality of hypodermic syringes.

We are aware that it has been heretofore proposed to provide a rack or similar article for support of a plurality of hypodermic syringes. It is the broad object of the present invention, in this connection, to improve, by novel means, upon the constructions which have heretofore been devised along this line.

We believe it to be important to provide a syringe-supporting tray which will be a unitary assembly, thus to permit its being readily washed or sterilized, and which will so support a plurality of syringes as to cause drippings from the syringes to drain into a tray member formed as an integral component of the device, while at the same time providing means for identifying the particular syringes.

A more particular object is to provide a hypodermic syringe-supporting and identifying tray wherein the syringes will be so positioned as to be readily grasped by one having to make use of the same, the device embodying an identification card-support means so arranged relative to the supported syringes as to be in the line of vision of one grasping a syringe. In this way, it is intended to provide a unitary syringe-supporting and identifying tray which will permit a syringe to be identified and removed with a minimum loss of time, this being of considerable importance in serious emergency cases.

A still further important object of the invention is to provide a syringe-supporting and identifying tray which, considering the benefits to be obtained by reason of its particular construction, can nevertheless be manufactured at a minimum of cost, will be rugged and durable, and will have its syringe-engaging portions so formed as to permit their being efficiently cleaned.

Summarized briefly, the syringe-supporting and identifying tray which we have devised includes a shallowly dishd, relatively elongated, tray member so proportioned as to receive drippings from a plurality of syringes supported thereabove. The tray member is rigid with a pair of support bars, that are disposed transversely of said member and are formed as flat members set edgewise into the bottom of the tray member, the support bars being of different height and having aligned notches in their upper edges adapted to receive syringe and support the same in an inclined position above the bottom of the tray member. The invention further includes a card holder that is also rigid with

2

and extends upwardly from the bottom of the tray member, the card holder extending transversely of the tray member at a location spaced a substantial distance from the support bar nearest thereto, thus to permit the needle portions of a plurality of supported syringes to be wholly out of contact with any component part of the device. The card holder is so formed, in this connection, as to support an identification card in an inclined position normal to the axes of the supported syringes, thereby to dispose a supported card in the line of vision of one about to remove a syringe and thereby reduce measurably the possibility of error when a particular syringe is being selected.

Other objects will appear from the following description, the claim appended thereto, and from the annexed drawing, in which like reference characters designate like parts throughout the several views, and wherein:

Figure 1 is a perspective view of a syringe-supporting and identifying tray formed in accordance with the present invention; and

Figure 2 is an enlarged longitudinal sectional view taken on line 2—2 of Figure 1, a supported syringe being illustrated in dotted lines.

Referring to the drawings in detail, the device constituting the present invention is a one-piece, unitary assembly that can be readily molded from plastic material or the like. The assembly includes a tray member which in the present instance, but not necessarily, is of rectangular outer configuration, said tray member being shallowly dishd and being formed with a peripheral, upstanding flange 14 for retaining liquids dripping from syringes supported in elevated positions above the bottom of said member.

The tray member, as readily noted from Figure 2, includes a flat bottom plate 12, and rigid with and upstanding from said bottom plate is a support bar 16. The support bar 16 is of flat formation, and is set edgewise into the tray member, at one end thereof.

Formed upon the upper edge of the support bar 16 is a row of spaced notches 18, each of which is adapted to receive the body portion of a syringe S.

A second support bar has been designated by the reference numeral 20, said second bar being lower in height than the bar 16. Like the first bar, the bar 20 is arranged transversely of the tray member 10, and is formed, along its upper edge, with a row of spaced notches 22, the notches of the first support bar being aligned with the respective notches of the second bar.